

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("20080043798").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/07 07:37
L2	3	((JOHN-MARK) near2 (HOPKINS)).INV.	EPO; JPO; DERWENT	OR	ON	2008/10/07 07:38
L3	430	((Calvez near3 Stephane near2 Luc near2 Dominique) or (HOPKINS near2 JOHN-MARK) or (BURNS near2 DAVID) or (DAWSON near2 MARTIN) or (JEON near2 CHAN) or (CHOI near2 Hoi)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 07:41
L4	7	((("5,052,016") or ("5,461,637") or ("5,513,203") or ("5,627,853") or ("6,025,213") or ("6,628,695") or ("200210075929") or ("200410028106") or ("20040042523")).PN.	US-PGPUB; USPAT	OR	OFF	2008/10/07 07:49
L5	1	(VCSEL or (vertical near2 cavity)) and resonat\$4 and heatspreader	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 08:03
L7	108	(VCSEL or (vertical near2 cavity)) and resonat\$4 and (heatspreader or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:17
L6	108	(VCSEL or (vertical near2 cavity)) and resonat\$4 and (heatspreader or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:17

L9	136	(VCSEL or (vertical near2 cavity)) and resonat\$4 and ((heat near2 spreader) or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:18
L8	136	(VCSEL or (vertical near2 cavity)) and resonat\$4 and (heat near2 spreader or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:18
L10	136	(VCSEL or (vertical near2 cavity)) and resonat\$4 and ((heat near2 spreader) or heatspreader or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:19
L11	238	(VCSEL or (vertical near2 cavity)) and resonat\$4 and ((heat near2 spreader) or heatspreader or birefringent or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:23
L12	1	("20040190582").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/07 11:13
L13	1	("6922496").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/07 13:24
L14	4	((("6922496") or ("6975514") or ("20070110118") or ("7306959")).PN.	US-PGPUB; USPAT	OR	OFF	2008/10/07 13:40
L15	364	(VCSEL or (vertical near2 cavity)) and ((resonat\$4 or cavity) same ((heat near2 spreader) or heatspreader or birefringent or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 13:46

L16	40	(VCSEL or (vertical near2 cavity)) and ((clear or transparent) same (resonat\$4 or cavity) same ((heat near2 spreader) or heatspreader or birefringent or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 13:48
L18	98	(VCSEL or (vertical near2 cavity)) and ((clear or transparent) same (resonat\$4 or cavity) same ((heat near2 spreader) or (heat near2 sink) or heatspreader or birefringent or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 13:54
L20	152	(VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and ((clear or transparent) with ((heat near2 spreader) or (heat near2 sink) or heatspreader or birefringent or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 14:03
L19	278	(VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and ((clear or transparent) same ((heat near2 spreader) or (heat near2 sink) or heatspreader or birefringent or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off))))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 14:03
L21	126	19 not 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 14:04

L22	252	(VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and ((clear or transparent) same ((heat near2 spreader) or (heat near2 sink) or heatspreader or birefringent or (heat near3 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off)))))) and (mirror \$1 or DBR or reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 14:58
L23	251	(VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and ((clear or transparent) same ((heat near2 spreader) or (heat near2 sink) or heatspreader or birefringent or (heat near2 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off)))))) and (mirror \$1 or DBR or reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 14:59
L24	2	3 and (VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and ((clear or transparent) same ((heat near2 spreader) or (heat near2 sink) or heatspreader or birefringent or (heat near2 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off)))))) and (mirror \$1 or DBR or reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 15:57
L25	161	("372"/\$.ccls. or "257"/\$.ccls. or "438"/\$.ccls.) and (VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and ((clear or transparent) same ((heat near2 spreader) or (heat near2 sink) or heatspreader or birefringent or (heat near2 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off)))))) and (mirror \$1 or DBR or reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 16:04

L26	2	"5724376".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 16:06
L28	2	"20040264530" and (VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and ((clear or transparent) and ((heat near2 spreader) or (heat near2 sink) or heatspreader or birefringent or (heat near2 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off)))))) and (mirror \$1 or DBR or reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 16:26
L29	1095	(VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and ((clear or transparent) and ((heat near2 spread\$3) or (heat near2 sink) or heatspread \$3 or birefringent or (heat near2 (remov\$3 or mov\$3 or eliminate or clear or draw or withdraw or (take near2 off)))))) and (mirror \$1 or DBR or reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 17:02
L30	21	(VCSEL or (vertical near2 cavity)) and (resonat\$4 or cavity) and (((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat-spread\$3) same birefringent) and (mirror \$1 or DBR or reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 17:26
L32	42	((((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat- spread\$3) same birefringent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 17:29
L31	21	(VCSEL or (vertical near2 cavity)) and (((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat-spread\$3) same birefringent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 17:29

L33	21	32 not 31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 17:30
L34	23	("20020090016"   "5136603"   "5285466"   "5331658"   "5475701"   "5577064"   "5606572"   "5642371"   "5648979"   "5732101"   "5748661"   "5757836"   "5757837"   "5774486"   "5812582"   "5821566"   "5892786"   "5914973"   "5953355"   "6023485"   "6037644"   "6057560"   "6151344"). PN. OR ("6782019"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/07 17:37
L36	12	((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat- spread\$3) same birefringent same polari \$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 17:42
L35	12	((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat- spread\$3) same birefringent same polari \$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 17:42
L37	82	(VCSEL or (vertical near2 cavity)) and ((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat-spread\$3) and (birefringent same polari \$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 17:45
L38	64	(VCSEL or (vertical near2 cavity)) and ((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat-spread\$3) and raman	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 18:24
L39	1	"20080043798" and (polari \$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 18:29

L40	1	"20080043798" and (non near1 linear)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 18:31
L41	42	(VCSEL or (vertical near2 cavity)) and (((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat-spread\$3) same non \$linear)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 18:33
L43	146	(((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat- spread\$3) WITH non \$linear)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 18:35
L42	16	(VCSEL or (vertical near2 cavity)) and (((heat near2 spread\$3) or (heat near2 sink) or heatspread\$3 or heat-spread\$3) WITH non \$linear)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 18:35

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